Run-1: Plain vanilla LeNet

(conv, maxpool, relu)

n\_classes = 43

mu = 0

sigma = 0.1

EPOCHS = 10

BATCH\_SIZE = 128

l\_rate = 0.001

Training...

EPOCH 1 ...

Validation Accuracy = 0.743

EPOCH 2 ...

Validation Accuracy = 0.860

EPOCH 3 ...

Validation Accuracy = 0.884

EPOCH 4 ...

Validation Accuracy = 0.916

EPOCH 5 ...

Validation Accuracy = 0.923

EPOCH 6 ...

Validation Accuracy = 0.922

EPOCH 7 ...

Validation Accuracy = 0.948

EPOCH 8 ...

Validation Accuracy = 0.954

EPOCH 9 ...

Validation Accuracy = 0.942

EPOCH 10 ...

Validation Accuracy = 0.954

Model saved

Run-2: Plain vanilla LeNet with Mean Subtraction & Normalization

(conv, maxpool, relu)

n\_classes = 43

mu = 0

sigma = 0.1

EPOCHS = 10

BATCH\_SIZE = 128

l\_rate = 0.001

Training...

EPOCH 1 ...

Validation Accuracy = 0.400

EPOCH 2 ...

Validation Accuracy = 0.560

EPOCH 3 ...

Validation Accuracy = 0.640

EPOCH 4 ...

Validation Accuracy = 0.748

EPOCH 5 ...

Validation Accuracy = 0.785

EPOCH 6 ...

Validation Accuracy = 0.759

EPOCH 7 ...

Validation Accuracy = 0.849

EPOCH 8 ...

Validation Accuracy = 0.843

EPOCH 9 ...

Validation Accuracy = 0.840

EPOCH 10 ...

Validation Accuracy = 0.866

Model saved